文件编号：中性 SIF-560　　成品尺寸:95*150mm,采用128g双铜印刷,装订方式:订

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Brief introduction

Thank you for choosing this satellite finder as a simple and practical satellite signal meter. Please read this manual carefully before using it. It will help you to operate it correctly. Please protect the manual properly. In case of frequency of USB Jack and software upgrade, please visit our website www.satlink.com.cn to download the latest manual. Please keep the manual properly as we might not keep the latest user manual etc.

1. Safety precautions

- Please read this user's guide carefully, especially for safety and operation instructions.
- Do not turn on the unit if it is leaking liquid.
- Do not place heavy items on the device.
- Do not expose the unit to direct sunlight or other strong heat sources, such as electric heaters, or leave it in a car during hot weather. Avoid exposure to moisture, dust, smoke or steam.
- Do not drop the unit or subject it to severe physical shocks.
- Please contact your engineer if any device occurs abnormal heating, smoke, abnormal noise or odor. Otherwise, damage of device's or the user's risk.
- Please use the original accessories or the recommended ones without notice. Please consult an authorized dealer if you need any help.

Attention

- Only use the powered by external power supply or receiver with 9V-12V DC output. Otherwise, damage of device's or the user's risk.
- Short circuit hazard. When connecting cables, the positive and negative terminals must not be connected in reverse. The red plug must be connected to the unit's Power (+) and the black plug must be connected to the unit's GND (-). Otherwise, damage of device's or the user's risk.

2. Main feature

Auto tone detection, Good frequency LFFrequency of LNB, Support DiSEqC1.0/1.1/1.2

Support 22KHz, 0/12V switching signal,excellent anti-interference ability

Support USB 2.0

Support DVB-S/S2 and DVB-T/T2 signal demodulation and antenna/signal strength test

Support USB 2.0 Flash, max. 64GB FAT32/NTFS

3. Front panel introduction and function description

1. Mini Keyboard
2. Up
3. Left
4. Ok
5. Right
6. Down
7. Menu
8. Esc
9. Power
10. Lnb
11. Tone
12. Voltage
13. Led
14. Usb
15. Dc Jack

4. Main menu description

- Press UP, DOWN, LEFT or RIGHT to select submenu, press OK to enter.

5. Operation instructions

4.1 Fast Satellite

- **Function**

Fast satellite is a quick operation mode for satellite/signal, which can search satellite quickly, automatic setting.

- **Operation**

1. Press UP or DOWN button to select different settings item, then press LEFT or RIGHT to change setting of selected item.
2. After setting satellite/transponder, press OK to start search, press LEFT or RIGHT to select/set position, then press OK to start search. Press ESC to exit search.
3. Press LEFT button to exit the search.

4.2 22 kHz

- **Function**

22kHz is a continuous tone with the satellite information, which is used to distinguish signals received on C-band and Ku-band, and activate 10 motor under Ku-band and universal LNB.

- **Operation**

Use satellite decimeter.

1. Press UP or DOWN button to select Tone, then press LEFT or RIGHT to change setting of selected item.
2. When parameter setting are confirmed and signal is locked, press OK to save the setting. Press ESC to exit corresponding menu, otherwise no saved and restore default, get the highest signal level and quality readings.
3. Press ESC to exit the search menu.

4.3 12 volt switch

- **Function**

Press LEFT or RIGHT button to change 13V/18V/OFF/ON/OFF, 13V/18V is for Ku-band, OFF/ON/OFF is for C-band.

- **Operation**

1. Press UP or DOWN button to select Voltage, then press LEFT or RIGHT to change setting of selected item.
2. When parameter setting are confirmed and signal is locked, press OK to save the setting. Press ESC to exit corresponding menu, otherwise no saved and restore default, get the highest signal level and quality readings.
3. Press ESC to exit the search menu.

4.4 Manual satellite

- **Function**

Manual satellite is for satellite/signal search, which is used to search satellite/signal manually, and can be used to add satellite quickly, press quickly on the satellite/signal.

- **Operation**

1. Press UP or DOWN button to select different setting item, then press LEFT or RIGHT to change setting of selected item.
2. When setting satellite/transponder, press OK to start search, press ESC to exit search.
3. When setting satellite/transponder, press EXIT to exit the search menu, otherwise no saved and restore default.

4.5 DiSEqC satellite

- **Function**

DiSEqC satellite is for satellite/signal search, which is used to search satellite/signal by switching corresponding port, and can be used to add satellite quickly.

- **Operation**

1. Press UP or DOWN button to select different setting item, then press LEFT or RIGHT to change setting of selected item.
2. When setting satellite/transponder, press OK to start search, press ESC to exit search.
3. When setting satellite/transponder, press EXIT to exit the search menu, otherwise no saved and restore default.

4.6 Satellite deletion

- **Function**

Satellite deletion is for deleting existing satellite.

- **Operation**

1. Press UP or DOWN button to select Satellite, then press OK to enter.
2. Press UP or DOWN button to select satellite to be deleted, then press OK to delete.
3. Press ESC to exit.

4.7 Satellite editing

- **Function**

Satellite editing is for editing existing satellite.

- **Operation**

1. Press UP or DOWN button to select Satellite, then press OK to enter.
2. Press UP or DOWN button to select satellite to be edited, then press OK to enter.
3. Press UP or DOWN button to select Transponder, then press OK to enter.
4. Press UP or DOWN button to select transponder to be edited, then press OK to enter.
5. Press UP or DOWN button to select Edit, then press OK to enter.
6. Press UP or DOWN button to select Frequency, Symbol, Polarity, Tone, then press LEFT or RIGHT to change setting of selected item.
7. When parameter setting are confirmed and signal is locked, press OK to save the setting. Press ESC to exit corresponding menu, otherwise no saved and restore default, get the highest signal level and quality readings.
8. Press ESC to exit the search menu.

4.8 DiSEqC1.2 satellite

- **Function**

DiSEqC1.2 satellite is for satellite/signal search, which is used to search satellite/signal by controlling motor, and can be used to add satellite quickly.

- **Operation**

1. Press UP or DOWN button to select Satellite, then press OK to enter.
2. Press UP or DOWN button to select satellite to be edited, then press OK to enter.
3. Press UP or DOWN button to select Transponder, then press OK to enter.
4. Press UP or DOWN button to select transponder to be edited, then press OK to enter.
5. Press UP or DOWN button to select Edit, then press OK to enter.
6. Press UP or DOWN button to select Frequency, Symbol, Polarity, Tone, then press LEFT or RIGHT to change setting of selected item.
7. When parameter setting are confirmed and signal is locked, press OK to save the setting. Press ESC to exit corresponding menu, otherwise no saved and restore default, get the highest signal level and quality readings.
8. Press ESC to exit the search menu.

6. Satellite signal analysis

5.1 Spectrum analysis

- **Function**

Spectrum analysis is for analyzing signal quality and strength.

- **Operation**

1. Press UP or DOWN button to select Satellite, then press OK to enter.
2. Press UP or DOWN button to select satellite to be analyzed, then press OK to enter.
3. Press UP or DOWN button to select Transponder, then press OK to enter.
4. Press UP or DOWN button to select transponder to be analyzed, then press OK to enter.
5. Press UP or DOWN button to select Spectrum Analysis, then press OK to enter.
6. Press UP or DOWN button to select Frequency, Symbol, Polarity, Tone, then press LEFT or RIGHT to change setting of selected item.
7. When parameter setting are confirmed and signal is locked, press OK to save the setting. Press ESC to exit corresponding menu, otherwise no saved and restore default, get the highest signal level and quality readings.
8. Press ESC to exit the search menu.

5.2 Analysis Application

- **Function**

Analysis application is for analyzing signal quality and strength.

- **Operation**

1. Press UP or DOWN button to select Satellite, then press OK to enter.
2. Press UP or DOWN button to select satellite to be analyzed, then press OK to enter.
3. Press UP or DOWN button to select Transponder, then press OK to enter.
4. Press UP or DOWN button to select transponder to be analyzed, then press OK to enter.
5. Press UP or DOWN button to select Spectrum Analysis, then press OK to enter.
6. Press UP or DOWN button to select Frequency, Symbol, Polarity, Tone, then press LEFT or RIGHT to change setting of selected item.
7. When parameter setting are confirmed and signal is locked, press OK to save the setting. Press ESC to exit corresponding menu, otherwise no saved and restore default, get the highest signal level and quality readings.
8. Press ESC to exit the search menu.

5.3 Analysis Tools

- **Function**

Analysis tools is for analyzing signal quality and strength.

- **Operation**

1. Press UP or DOWN button to select Satellite, then press OK to enter.
2. Press UP or DOWN button to select satellite to be analyzed, then press OK to enter.
3. Press UP or DOWN button to select Transponder, then press OK to enter.
4. Press UP or DOWN button to select transponder to be analyzed, then press OK to enter.
5. Press UP or DOWN button to select Spectrum Analysis, then press OK to enter.
6. Press UP or DOWN button to select Frequency, Symbol, Polarity, Tone, then press LEFT or RIGHT to change setting of selected item.
7. When parameter setting are confirmed and signal is locked, press OK to save the setting. Press ESC to exit corresponding menu, otherwise no saved and restore default, get the highest signal level and quality readings.
8. Press ESC to exit the search menu.

7. Channel management

6.1 Channel Search

- **Function**

The function can search out the channel in satellite.

- **Operation**

1. Press UP or DOWN to move to the control parameter and press OK to enter, press UP or DOWN to select satellite, press LEFT or RIGHT to select satellite you want to search.
2. Press UP or DOWN to move to the search mode, press LEFT or RIGHT to select search mode, including "All", "FTA" and "Free". All: search all channels; FTA: search free channels and encrypted channels; Free: search free channels.
3. Press UP or DOWN to move to the network search, press LEFT or RIGHT to select "On" or "Off". If "On" is selected, the tool will search channels according to the network information provided by the satellite operator; if "Off" is selected, the tool will search channels according to the transponder information.
4. Press UP or DOWN to move to the search, press OK to start search, press ESC to exit search.
5. Press ESC to exit.

6.2 Channel Edit

- **Function**

The function can edit the channel in satellite.

- **Operation**

1. Press UP or DOWN to move to the control parameter and press OK to enter, press UP or DOWN to select satellite you want to edit.
2. Press UP or DOWN to move to the channel type, press LEFT or RIGHT to select channel type, including "TV" and "Radio". TV: edit TV channels; Radio: edit radio channels.
3. Press UP or DOWN to move to the channel edit, press OK to enter.
4. Press UP or DOWN to move to the channel you want to edit, press OK to enter.
5. Move cursor to "Name", use UP/DOWN/LEFT/RIGHT to move the cursor, and use numeric buttons (Press repeatedly) to edit the channel name.
6. Move cursor to "Delete", use UP/DOWN/LEFT/RIGHT to move the cursor, and press OK to delete selected channel.
7. Move cursor to "Lock", use UP/DOWN/LEFT/RIGHT to move the cursor, and press OK to lock selected channel.
8. Move cursor to "Move", use UP/DOWN/LEFT/RIGHT to move the cursor, and press OK to move selected channel.
9. Move cursor to "Skip", use UP/DOWN/LEFT/RIGHT to move the cursor, and press OK to skip selected channel.
10. Press ESC to exit.

6.3 Channel Lock

- **Function**

The function can lock channel.

- **Operation**

1. Press UP or DOWN to move to the control parameter and press OK to enter, press UP or DOWN to select satellite you want to edit.
2. Press UP or DOWN to move to the channel type, press LEFT or RIGHT to select channel type, including "TV" and "Radio". TV: edit TV channels; Radio: edit radio channels.
3. Press UP or DOWN to move to the channel lock, press OK to enter.
4. Press UP or DOWN to move to the channel you want to lock, press OK to lock.
5. Press ESC to exit.

6.4 Channel Delete

- **Function**

The function can delete channel.

- **Operation**

1. Press UP or DOWN to move to the control parameter and press OK to enter, press UP or DOWN to select satellite you want to edit.
2. Press UP or DOWN to move to the channel type, press LEFT or RIGHT to select channel type, including "TV" and "Radio". TV: edit TV channels; Radio: edit radio channels.
3. Press UP or DOWN to move to the channel delete, press OK to enter.
4. Press UP or DOWN to move to the channel you want to delete, press OK to delete.
5. Press ESC to exit.

6.5 Channel Rename

- **Function**

The function can rename channel.

- **Operation**

1. Press UP or DOWN to move to the control parameter and press OK to enter, press UP or DOWN to select satellite you want to edit.
2. Press UP or DOWN to move to the channel type, press LEFT or RIGHT to select channel type, including "TV" and "Radio". TV: edit TV channels; Radio: edit radio channels.
3. Press UP or DOWN to move to the channel rename, press OK to enter.
4. Press UP or DOWN to move to the channel you want to rename, press OK to enter.
5. Move cursor to "Name", use UP/DOWN/LEFT/RIGHT to move the cursor, and use numeric buttons (Press repeatedly) to edit the channel name.
6. Press ESC to exit.

6.6 Channel Move

- **Function**

The function can move channel.

- **Operation**

1. Press UP or DOWN to move to the control parameter and press OK to enter, press UP or DOWN to select satellite you want to edit.
2. Press UP or DOWN to move to the channel type, press LEFT or RIGHT to select channel type, including "TV" and "Radio". TV: edit TV channels; Radio: edit radio channels.
3. Press UP or DOWN to move to the channel move, press OK to enter.
4. Press UP or DOWN to move to the channel you want to move, press OK to enter.
5. Press UP or DOWN to move to the position you want to move to, press OK to move.
6. Press ESC to exit.

8. System settings

7.1 Language

- **Function**

The function can set menu language.

- **Operation**

1. Press UP or DOWN to move to the language, press OK to enter.
2. Press UP or DOWN to select menu language, including English, Deutsch, Italiano, Français, Español, Русский, Português, Polski, Türkçe, Čeština, Magyar, Nederlands, Svenska, Dansk, Suomi, Ελληνικά, Română, Українська, Hrvatski, Slovenčina, Slovenščina, Srpski, Bosanski, Eesti, Latviešu, Lietuvių, Norsk, Català, Galego, Euskara, Gaeilge, Cymraeg, Íslenska, Shqip, Македонски, Беларуская, Қазақша, Azərbaycan, Gjuha shqipe, Kiswahili, Afrikaans, Tiếng Việt, ภาษาไทย, Bahasa Indonesia, Bahasa Melayu, 한국어, 日本語, 简体中文, 繁體中文, العربية, فارسی, עברית.
3. Press OK to confirm.
4. Press ESC to exit.

7.2 Time Settings

- **Function**

The function can set time.

- **Operation**

1. Press UP or DOWN to move to the time settings, press OK to enter.
2. Press UP or DOWN to move to the time zone, press LEFT or RIGHT to select time zone, including GMT-12:00, GMT-11:00, GMT-10:00, GMT-09:00, GMT-08:00, GMT-07:00, GMT-06:00, GMT-05:00, GMT-04:00, GMT-03:00, GMT-02:00, GMT-01:00, GMT+00:00, GMT+01:00, GMT+02:00, GMT+03:00, GMT+04:00, GMT+05:00, GMT+06:00, GMT+07:00, GMT+08:00, GMT+09:00, GMT+10:00, GMT+11:00, GMT+12:00.
3. Press UP or DOWN to move to the daylight saving time, press LEFT or RIGHT to select daylight saving time, including "On" and "Off".
4. Press UP or DOWN to move to the time, press LEFT or RIGHT to select the parameter you want to set, press UP or DOWN to change the parameter.
5. Press ESC to exit.

7.3 Factory Reset

- **Function**

The function can restore factory settings.

- **Operation**

1. Press UP or DOWN to move to the factory reset, press OK to enter.
2. Press UP or DOWN to move to the "Yes", press OK to restore factory settings, press ESC to exit.

7.4 Software Upgrade

- **Function**

The function can upgrade software.

- **Operation**

1. Press UP or DOWN to move to the software upgrade, press OK to enter.
2. Press UP or DOWN to move to the "Yes", press OK to enter.
3. Press UP or DOWN to move to the "Start", press OK to start upgrade.
4. Press ESC to exit.

9. Technical specifications

Frequency range	950~2150MHz
Symbol rate	1~45Msps
Demodulation	DVB-S/S2, DVB-T/T2
Symbol rate	Max. 45Msps
Input impedance	75Ω
Input level range	-65~-25dBm
Support LNB	1 Universal LNB
LNB power supply	13/18V, 0/22KHz, max. 400mA
Support DiSEqC	DiSEqC1.0/1.1/1.2
Support 12V switch	13/18V, OFF/ON/OFF, max. 400mA
Support USB	USB 2.0
Support Flash	Max. 64GB, FAT32/NTFS
Keyboard	6 keys
Display	2.4" TFT LCD
Power supply	DC 9V~12V, 1A
Dimension	95*150*30mm
Weight	0.3kg

10. Connection diagram

Cautions: Satellite receiver must have motorized 13V/18V LNB power supply and support universal LNB/wide satellite tuner power on.

11. Accessories

Power adapter	x1
Instruction Manual	x1
Warranty card	x1
F-to-Tv connector	x1